



# STP24LC Series

Low Capacitance Serial Control/Digital Audio Cable

## COMMON FEATURES

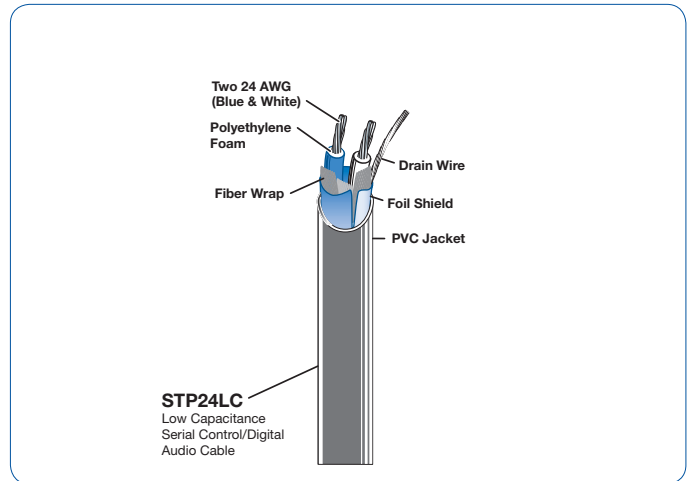
- One or two 24 AWG low capacitance shielded twisted pairs with a drain wire
- High performance cable for distribution of AES/EBU digital audio or serial control
- Plenum & Non-Plenum rated versions available
- Spool of 1,000 feet (300 m) in self dispensing box

## DESCRIPTION

The Extron **STP24LC** Cable is ideal for serial control and AES/EBU commercial digital applications. This shielded twisted pair cable provides controlled impedances that exceed AES/EBU standards maintaining the integrity of the signal over long distances. This cable offers twice the performance of the Extron STP Series Serial Control/Audio cable, and is a high performance solution for transmission and distribution of serial digital audio and serial control signals, such as RS-232, in a variety of A/V applications.

The **STP24LC** features two color-coded or one twisted pair, 24 AWG tinned copper conductors, and a tinned copper drain wire on the inside of the foil shield that is bonded to the jacket for ease of stripping when used with automatic stripping equipment. The cable is available in 1,000' lengths.

The **STP24LC-2** features four color-coded or two twisted pair, 24 AWG tinned copper conductors, and a tinned copper drain wire on the inside of the foil shield of each twisted pair wrapped in a single jacket. The cable is available in 1,000' lengths.



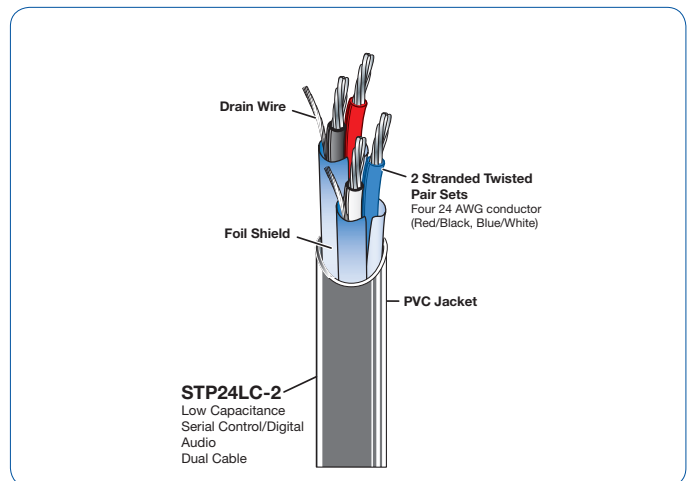
### Low Capacitance Digital Audio Cable

Extron Model	Belden®*	West Penn*
STP24LC	1800B	DA2401
STP24LC-2	1802B	DA2402

### Low Capacitance Serial Control Cable

Extron Model	Belden®*	West Penn*
STP24LC	—	D4851
STP24LC-2	1419A, 8162	D4852

\* The cross-reference cable models are similar to the Extron Models but are not guaranteed to be exactly identical. Belden and West Penn are divisions of Belden/CDT. Belden is a registered trademark of Belden/CDT.



## STP24LC

Low Capacitance Serial Control/Digital Audio Cable

### UNIQUE FEATURES

- One 24 AWG low capacitance shielded twisted pair with a drain wire
- NEC CM rated, non-plenum cable



## STP24LC-2

Low Capacitance Serial Control/Digital Audio Cable

### UNIQUE FEATURES

- Two 24 AWG low capacitance shielded twisted pairs with a drain wire
- NEC CM rated, non-plenum cable



MODEL	VERSION DESCRIPTION	PART #
<b>STP24LC - Single Non-Plenum</b>		
STP24LC/1000	Non-Plenum 1000' (300 m) spool.....	22-173-03
<b>STP24LC - Dual Non-Plenum</b>		
STP24LC-2/1000	Non-Plenum 1000' (300 m) spool.....	22-174-03

Continued →

STP24LC Series

# STP24LCP

Low Capacitance Serial Control/Digital Audio Plenum Cable



**UNIQUE FEATURES**

- One 24 AWG low capacitance shielded twisted pair with a drain wire
- NEC CMP rated, plenum cable

# STP24LC-2P





Low Capacitance Serial Control/Digital Audio Dual Plenum Cable



**UNIQUE FEATURES**

- Two 24 AWG low capacitance shielded twisted pairs with a drain wire
- NEC CMP rated, plenum cable

MODEL	VERSION DESCRIPTION	PART #
STP24LCP - Single Plenum		
STP24LCP/1000	Plenum 1000' (300 m) spool.....	22-179-03
STP24LCP - Dual Plenum		
STP24LC-2P/1000	Plenum 1000' (300 m) spool.....	22-180-03

Description Part No. (length) Model	UL NEC/ C(UL) CEC UL AWM Temp.	No. of Cond.	Standard Lengths		Shipping Weights		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials (% coverage) Nom. DCR	Nominal OD		Nom. Imp. (ohms)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/ft	pF/m	MHz	dB/100 ft	dB/100 m
<b>(1 or 2 pairs) 24 AWG Shielded Twisted Pairs • Aluminum Foil (100%) Shield</b>																			
<b>Nonplenum Cable • Gas Injected Foamed HDPE Insulation • Gray PVC Outer Jacket</b>																			
<b>22-173-03 (1000')</b> <b>STP24LC</b>  min. bend radius 2.0"	NEC CM UL 1581 AWM 2919 75 °C	1 shielded twisted pair	1000	304.8	17	7.7	24 AWG (7/32) 0.024" 0.61 mm, Tinned Cu 24 ohms/1k ft, 79 ohms/1 km	0.061	1.5	Alum. in Polyester Foil with 24 AWG Tinned Cu Drain Wire (100%) 15 ohms/1k ft, 49 ohms/1 km	Single: blue, white Overall: 0.190 4.83 gray	110	78%	13 conductor-conductor 25 conductor-conductor, connected to shield					
<b>22-174-03 (1000')</b> <b>STP24LC-2</b>  min. bend radius 2.4"	NEC CM UL 1581 AWM 2919 75 °C	2 shielded twisted pairs	1000	304.8	27	12.2	Same as above	0.070	1.8	Same as above	Single: red, black; blue, white Overall: 0.240 6.10 gray	110	78%	Same as above					
<b>Plenum Cable • Gas Injected Foamed FEP Insulation • Blue Flame Retardant PVC Outer Jacket</b>																			
<b>22-179-03 (1000')</b> <b>STP24LCP</b>  min. bend radius 3.0"	NEC CMP UL 910 75 °C	1 shielded twisted pair	1000	304.8	14	6.4	24 AWG (7/32) 0.024" 0.61 mm, Tinned Cu 24 ohms/1k ft, 79 ohms/1 km	0.057	1.4	Alum. in Polyester Foil with 24 AWG Tinned Cu Drain Wire (100%) 15 ohms/1k ft, 49 ohms/1 km	Single: blue, white Overall: 0.160 4.00 blue	110	78%	13 conductor-conductor 25 conductor-conductor, connected to shield					
<b>22-180-03 (1000')</b> <b>STP24LC-2P</b>  min. bend radius 4.2"	NEC CMP UL 910 75 °C	2 shielded twisted pairs	1000	304.8	23	10.4	Same as above	0.066	1.7	Same as above	Single: red, black; blue, white Overall: 0.210 5.30 blue	110	78%	Same as above					

NOTE: Specifications are subject to change without notice.